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atg Met	gcc Ala	atg Met 195	agt Ser	ctt Leu	gat Asp	gaa Glu	gcc Ala 200	tac Tyr	ttg Leu	aat Asn	ata Ile	aca Thr 205	aag Lys	cac His	tta Leu	624
												Tyr		atc Ile	aaa Lys	672
atg Met 225	gga Gly	agc Ser	tct Ser	gta Val	gaa Glu 230	aat Asn	gat Asp	aat Asn	cca Pro	gga Gly 235	Lys	gaa Glu	gtt Val	aat Asn	aaa Lys 240	720
ctg Leu	agt Ser	gag Glu	cat His	gaa Glu 245	Arg	tcc Ser	atc Ile	tct Ser	cca Pro 250	Leu	ctt Leu	ttt Phe	gaa Glu	gag Glu 255	Ser	768
cct Pro	tct Ser	gat Asp	gtg Val 260	cag Gln	ccc Pro	cca Pro	gga Gly	gat Asp 265	cct	ttc Phe	caa Gln	gtg Val	aac Asn 270	Phe	gaa Glu	816
			Asn					Gln					Phe		aca Thr	864

	tca Ser	gcc Ala 290	cag Gln	gaa Glu	gtg Val	gta Val	aag Lys 295	gaa Glu	att Ile	cgt Arg	ttc Phe	aga Arg 300	att Ile	gag Glu	cag Gln	aaa Lys	912
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	gct Ala	gga Gly	aac Asn	caa Gln 340	gcc Ala	ctg Leu	tca Ser	gcc Ala	act Thr 345	gag Glu	tgt Cys	aca Thr	tta Leu	gag Glu 350	aaa Lys	act Thr	1056
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					Asp					. Val					Asn	tca Ser	1536
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Ser Lys Ala 515	Glu Ser	Ile Asp	Ala Leu 520	Ser As	an Lys	His Ser 525	Lys	Glu	
gaa tgt tct Glu Cys Ser 530	agt ctc	cca agc Pro Ser 535	aag tct Lys Ser	ttt aa Phe As	at att sn Ile 540	gaa cac Glu His	tgt Cys	cat His	1632
cag aat tct Gln Asn Ser 545	Ser Ser	act gtt Thr Val 550	tca ttg Ser Leu	Glu As	ac gaa sn Glu 55	gat gtt Asp Val	gga Gly	tca Ser 560	1680
ttt aga caa Phe Arg Gln	gaa tac Glu Tyr 565	cgc cag Arg Gln	cct tac Pro Tyr	tta to Leu Cy 570	gt gaa ys Glu	gtg aaa Val Lys	aca Thr 575	ggc Gly	1728
caa gct cta Gln Ala Leu	gtt tgt Val Cys 580	cct gtt Pro Val	tgt aac Cys Asr 585	. Val G	aa caa lu Gln	aag act Lys Thr 590	Ser	gat Asp	1776
cta acc ctg Leu Thr Leu 595	ttc aat Phe Asn	gtg cat Val His	gtg gat Val Asp 600	gtt to Val C	gc tta ys Leu	aat aaa Asn Lys 605	agt Ser	ttt Phe	1824
atc caa gaa Ile Gln Glu 610	tta aga Leu Arg	aag gat Lys Asp 615	aaa ttt Lys Phe	aac c Asn P	ca gtt ro Val 620	aat caa Asn Glr	. ccc . Pro	aaa Lys	1872
gaa agc tcc Glu Ser Ser 625	aga agt Arg Ser	act ggt Thr Gly 630	agc tca Ser Ser	Ser G	ga gta ly Val	cag aag Gln Lys	gct Ala	gta Val 640	1920
aca aga aca Thr Arg Thr	aaa agg Lys Arg 645	cca gga Pro Gly	ttg atg	g aca a Thr L 650	ag tac ys Tyr	tca aca	tca Ser 655	aag Lys	1968
aaa ata aaa Lys Ile Lys	cca aac Pro Asn 660	aat ccc Asn Pro	aaa ca Lys Hi:	Thr L	tt gat Leu Asp	ata tti Ile Phe	e Phe	aag Lys	2016
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Lys Glu Lys 35		Lys Ile	e Ile Me 40	t Glu <i>P</i>	Ala Thr	Lys Gl	y Ser	Arg	

- Phe Tyr Gly Asn Glu Leu Lys Lys Glu Lys Gln Val Asn Gln Arg Ile 50 55 60
- Glu Asn Met Met Gln Gln Lys Ala Gln Ile Thr Ser Gln Gln Leu Arg
  65 70 75 80
- Lys Ala Gln Leu Gln Val Asp Arg Phe Ala Met Glu Leu Glu Gln Ser 85 90 95
- Arg Asn Leu Ser Asn Thr Ile Val His Ile Asp Met Asp Ala Phe Tyr
  100 105 110
- Ala Ala Val Glu Met Arg Asp Asn Pro Glu Leu Lys Asp Lys Pro Ile 115 120 125
- Ala Val Gly Ser Met Ser Met Leu Ser Thr Ser Asn Tyr His Ala Arg 130 135 140
- Arg Phe Gly Val Arg Ala Ala Met Pro Gly Phe Ile Ala Lys Arg Leu 145 150 155 160
- Cys Pro Gln Leu Ile Ile Val Pro Pro Asn Phe Asp Lys Tyr Arg Ala 165 170 175
- Val Ser Lys Glu Val Lys Glu Ile Leu Ala Asp Tyr Asp Pro Asn Phe 180 185 190
- Met Ala Met Ser Leu Asp Glu Ala Tyr Leu Asn Ile Thr Lys His Leu 195 200 205
- Glu Glu Arg Gln Asn Trp Pro Glu Asp Lys Arg Arg Tyr Phe Ile Lys 210 215 220
- Met Gly Ser Ser Val Glu Asn Asp Asn Pro Gly Lys Glu Val Asn Lys 225 230 235 240
- Leu Ser Glu His Glu Arg Ser Ile Ser Pro Leu Leu Phe Glu Glu Ser 245 250 255
- Pro Ser Asp Val Gln Pro Pro Gly Asp Pro Phe Gln Val Asn Phe Glu 260 265 270
- Glu Gln Asn Asn Pro Gln Ile Leu Gln Asn Ser Val Val Phe Gly Thr 275 280 285
- Ser Ala Gln Glu Val Val Lys Glu Ile Arg Phe Arg Ile Glu Gln Lys 290 295 300
- Thr Thr Leu Thr Ala Ser Ala Gly Val Arg Ile Ser Ser Phe Pro Asn 305 310 315 320
- Glu Glu Asp Arg Lys His Gln Gln Arg Ser Ile Ile Gly Phe Leu Gln 325 330 335
- Ala Gly Asn Gln Ala Leu Ser Ala Thr Glu Cys Thr Leu Glu Lys Thr 340 345 350

- Asp Lys Asp Lys Phe Val Lys Pro Leu Glu Met Ser His Lys Lys Ser 355 360 365
- Phe Phe Asp Lys Lys Arg Ser Glu Arg Lys Trp Ser His Gln Asp Thr 370 375 380
- Phe Lys Cys Glu Ala Val Asn Lys Gln Ser Phe Gln Thr Ser Gln Pro 385 390 395 400
- Phe Gln Val Leu Lys Lys Lys Met Asn Glu Asn Leu Glu Ile Ser Glu
  405 410 415
- Asn Ser Asp Asp Cys Gln Ile Leu Thr Cys Pro Val Cys Phe Arg Ala
  420 425 430
- Gln Gly Cys Ile Ser Leu Glu Ala Leu Asn Lys His Val Asp Glu Cys 435 440 445
- Leu Asp Gly Pro Ser Ile Ser Glu Asn Phe Lys Met Phe Ser Cys Ser 450 455 460
- His Val Ser Ala Thr Lys Val Asn Lys Lys Glu Asn Val Pro Ala Ser 465 470 475 480
- Ser Leu Cys Glu Lys Gln Asp Tyr Glu Ala His Pro Lys Ile Lys Glu 485 490 495
- Ile Ser Ser Val Asp Cys Ile Ala Leu Val Asp Thr Ile Asp Asn Ser 500 505 510
- Ser Lys Ala Glu Ser Ile Asp Ala Leu Ser Asn Lys His Ser Lys Glu 515 520 525
- Glu Cys Ser Ser Leu Pro Ser Lys Ser Phe Asn Ile Glu His Cys His 530 535 540
- Gln Asn Ser Ser Ser Thr Val Ser Leu Glu Asn Glu Asp Val Gly Ser 545 550 555 560
- Phe Arg Gln Glu Tyr Arg Gln Pro Tyr Leu Cys Glu Val Lys Thr Gly 565 570 575
- Gln Ala Leu Val Cys Pro Val Cys Asn Val Glu Gln Lys Thr Ser Asp 580 585 590
- Leu Thr Leu Phe Asn Val His Val Asp Val Cys Leu Asn Lys Ser Phe 595 600 605
- Ile Gln Glu Leu Arg Lys Asp Lys Phe Asn Pro Val Asn Gln Pro Lys 610 615 620
- Glu Ser Ser Arg Ser Thr Gly Ser Ser Ser Gly Val Gln Lys Ala Val
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gtactgagga gcccctacct
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<211> 140
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31

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